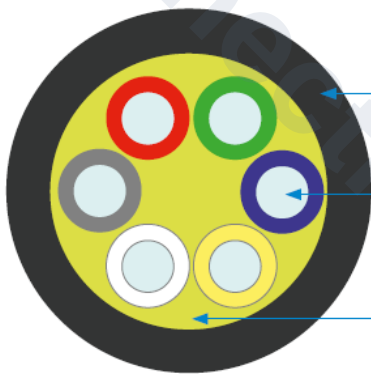


Cable type	J/A-N(ZN)H
Description	Drop cable, 4-12 OF, LSZH jacket, Eca



### J/A-N(ZN)H

Indoor DROP optical cables containing singlemode fibres 9/125 G.657.A2 Bend Insensitive with 250µm primary coating, filler in aramidic yarns that guarantee excellent tensile strength, flame retardant LSZH (Low Smoke Zero Halogen ) jacket, Euroclass Eca. They are suitable for FTTH (Fiber To The Home) applications.



LSZH Jacket

Optical fiber

Aramid yarns

\* jacket color is indicative

### Constructive characteristics

Cores	Fibers put in filler yarns
Filler protection	Aramid yarns
Optical fiber type	Single-mode 9/125 type G,657.A2 Bend Insensitive
Outer jacket material	LSZH (Low Smoke Zero Halogen)
Jacket color	Yellow
Armour	Dielectric
Cable outer diameter	from 3 to 3,4 mm
Nominal weight	from 11 to 13 Kg/Km
Marking	CCs by Qubix - "product code" - FO Cable J/A -N(ZN)H - "1xn FO" - "fiber type" - LSZH jacket - meters - lot - FID - Euroclass Eca - n° DOP

### Mechanical and environmental properties

Use	Indoor
Bend. radius (installation)	12 x outer diameter
Bend. radius (long term)	10 x outer diameter
Max. pull strength	1000 N (100 kg max.)
Crush resistance	1000 N/dm
Installation temperature	from -5°C to +50°C
Operating temperature	from -20°C to +60°C

Cable type	J/A-N(ZN)H
Description	Drop cable, 4-12 OF, LSZH jacket, Eca

**Reference standards**

Cables and optical fibers	EN 60793 EN 60794-1 ITU-T G.657.A2
Structured cabling	EN 50173-1 ISO/IEC 11801 ANSI/TIA 568.3-D

**Fire behavior**

CRP regulation	EN 50575 Euroclass Eca
Fire reaction	IEC 60332-1-2; IEC 60332-3-22
Smoke density	IEC 61034-1/2
Acid gas emission	IEC 60754-1/2

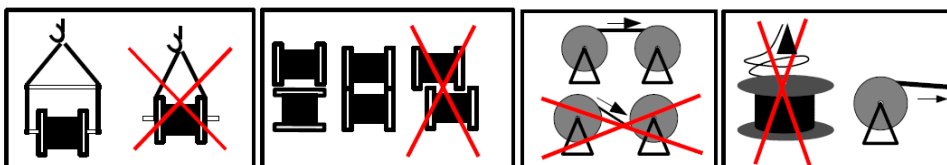
**Packaging**

Drum	2000 mt ± 5%
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**Reference codes**

Cores number	4	8	12
Cod.	2008451	2008452	2008453

**Recommendations of use**



<b>Cable type</b>	<b>J/A-N(ZN)H</b>
<b>Description</b>	<b>Drop cable, 4-12 OF, LSZH jacket, Eca</b>

## SINGLE-MODE OPTICAL FIBER SPECIFICATIONS

<i>Optical fiber type</i>	<i>9/125 OS2 (ITU G.657.A2)</i>
Cladding diameter	125 ± 0,7 μm
Primary coating diameter	242 ± 0,7 μm
Cladding Non-Circularity	≤ 0,7%
Concentricity error core/cladding	≤ 0,5 μm
Concentricity error cladding/coating	≤ 12 μm
Attenuation λ=1310 nm	≤ 0,35 dB/Km
Attenuation λ=1550 nm	≤ 0,30 dB/Km
Attenuation λ=1625 nm	≤ 0,40 dB/Km
Group Index @ 1310 nm	1,467
Group Index @ 1550 nm	1,467
Cable cut-off wavelength	λ <sub>cc</sub> ≤ 1260 nm
Zero-dispersion wavelength λ <sub>o</sub>	1300-1324 nm
Slope at λ <sub>o</sub>	S <sub>o</sub> ≤ 0,092 ps/(nm <sup>2</sup> ·Km)
Mode field diameter @ 1310 nm	8,8 ± 0,4 μm
Mode field diameter @ 1550 nm	9,8 ± 0,5 μm
PMD	≤ 0,1 ps/√Km
Tensile Proof Test	100 kpsi (0.7 GPa)
Coating strip force	1,2 N ≤ CSF ≤ 8,9 N
Macrobending 10 turns, 15 mm, @ 1,550 nm	≤ 0,03 dB
Macrobending 10 turns, 15 mm, @ 1,625 nm	≤ 0,1 dB
Macrobending 1 turn, 10 mm, @ 1,550 nm	≤ 0,1 dB
Macrobending 1 turn, 10 mm, @ 1,625 nm	≤ 0,2 dB
Macrobending 1 turn, 7.5 mm, @ 1,550 nm	≤ 0,5 dB
Macrobending 1 turn, 7.5 mm, @ 1,625 nm	≤ 1,0 dB

*Optical fibers are fully compliant with IEC/EN 60793-1, IEC/EN 60793-2, EN 50173 and ISO/IEC 11801*